

Title (en)
PHASE DETECTION AUTOFOCUS NOISE REDUCTION

Title (de)
RAUSCHVERMINDERUNG BEI PHASENDETEKTIONS-AUTOFOKUS

Title (fr)
RÉDUCTION DE BRUIT DE MISE AU POINT AUTOMATIQUE À DÉTECTION DE PHASE

Publication
EP 3354008 B1 20210811 (EN)

Application
EP 16766702 A 20160824

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Abstract (en)
[origin: US9420164B1] Certain aspects relate to systems and techniques for using imaging pixels (that is, non-phase detection pixels) for performing noise reduction on phase detection autofocus. Advantageously, this can provide for more accurate phase detection autofocus and also to optimized processor usage for performing phase detection. The phase difference detection pixels are provided to obtain a phase difference detection signal indicating a shift direction (defocus direction) and a shift amount (defocus amount) of image focus, and analysis of imaging pixel values can be used to estimate a level of focus of an in-focus region of interest and to limit the identified phase difference accordingly.

IPC 8 full level
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